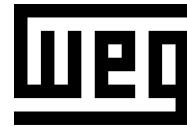


## DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :										
Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	11440262							
Frame	: 284T	Locked rotor time	: 43s (cold) 24s (hot)							
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K							
Poles	: 4	Duty cycle	: Cont.(S1)							
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C							
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.							
Rated current	: 59.0/29.5 A	Protection degree	: IP55							
L. R. Amperes	: 366/183 A	Cooling method	: IC411 - TEFC							
LRC	: 6.2x(Code G)	Mounting	: F-1							
No load current	: 22.0/11.0 A	Rotation <sup>1</sup>	: Both (CW and CCW)							
Rated speed	: 1770 rpm	Noise level <sup>2</sup>	: 63.0 dB(A)							
Slip	: 1.67 %	Starting method	: Direct On Line							
Rated torque	: 74.2 ft.lb	Approx. weight <sup>3</sup>	: 386 lb							
Locked rotor torque	: 240 %									
Breakdown torque	: 270 %									
Insulation class	: F									
Service factor	: 1.25									
Moment of inertia (J)	: 5.11 sq.ft.lb									
Design	: B									
Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	91.7	91.1	92.4	91.3	93.0	92.1	93.6	92.1	Max. traction	: 823 lb
	91.0	90.8	91.3	91.2	92.5	92.5	92.6	92.7		
	92.9	92.8	92.4	92.4	91.7	92.4	91.0	91.7		
	92.2		92.4		92.4					
Power Factor	0.45	0.44	0.70	0.69	0.80	0.80	0.84	0.85	Max. compression	: 1209 lb
	0.41	0.38	0.65	0.62	0.78	0.75	0.83	0.82		
	0.52	0.48	0.76	0.73	0.84	0.82	0.86	0.85		
	0.45		0.70		0.80					
Losses at normative operating points (speed;torque), in percentage of rated output power										
Losses (%)	P1 (0,9;1,0)	6.8	6.8	6.8	6.8	6.8	6.8	6.8		
	P2 (0,5;1,0)	5.8	5.8	5.8	5.8	5.8	5.8	5.8		
	P3 (0,25;1,0)	5.3	5.3	5.3	5.3	5.3	5.3	5.3		
	P4 (0,9;0,5)	3.1	3.1	3.1	3.1	3.1	3.1	3.1		
	P5 (0,5;0,5)	2.2	2.2	2.2	2.2	2.2	2.2	2.2		
	P6 (0,5;0,25)	1.4	1.4	1.4	1.4	1.4	1.4	1.4		
	P7 (0,25;0,25)	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
				Drive end	Non drive end					
Bearing type		:	6311 C3		6211 C3					
Sealing		:	V'Ring		V'Ring					
Lubrication interval		:	20000 h		20000 h					
Lubricant amount		:	18 g		11 g					
Lubricant type		:	Mobil Polyrex EM							
Notes:										
This revision replaces and cancel the previous one, which must be eliminated.					These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.					
(1) Looking the motor from the shaft end.										
(2) Measured at 1m and with tolerance of +3dB(A).										
(3) Approximate weight subject to changes after manufacturing process.										
(4) At 100% of full load.										
Rev.	Changes Summary				Performed	Checked	Date			
Performed by										
Checked by										
Date	28/03/2024					Page	Revision			
						1 / 1				